

1. A communication control system comprising a directory server which comprises:

a communication control unit which refers to said directory data replica to determine whether or not a connection of a communication request from said counter communication end to a mobile phone is

2. The communication control system according to claim 1, wherein said mobile phone comprises:

an operation section which generates an upload instruction in response to an operation by a user of said mobile phone; and

10 a transmitting section which transmits said

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a transmitting section which transmits said
download instruction to said directory server; and

6. The communication control system according to claim 1, wherein said communication request is a phone call, and each of the records includes said phone number of said counter communication end and further includes a non-permission flag set when said mobile phone should not be connected to said counter communication end and reset when said mobile phone should be connected to said counter communication end.

a switching apparatus which generates said connection confirmation request to said directory server in response to said phone call, and connects said phone call to said mobile phone when receiving

wherein said directory server refers to said directory data replica to determine whether said non-permission flag corresponding to said phone number of said counter communication end is set or reset, transmits said permission response to said switching apparatus when said non-permission flag is reset, and transmits said non-permission response to said switching apparatus when said non-permission flag is set.

7. The communication control system according to claim 1, wherein said communication request is an e-mail, and each of the records includes said e-mail address of said counter communication end and further includes a non-permission flag set when said e-mail should not be delivered to said mobile phone and reset when said e-mail should be delivered to said mobile phone,

said communication control system further
10 comprises:

a mail server which generates said connection confirmation request to said directory server in response to said e-mail, and delivers said e-mail to said mobile phone when receiving the permission

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name, phone number and e-mail address of a counter

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user of said mobile phone; and

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said mobile phone further comprises:

said transmitting section transmits the records of the groups with the set edit flags of said directory data to said directory server in response to
10 said upload instruction such that said directory data of records with the set edit flags is stored as the part of said directory data replica in said directory server.

11. The mobile phone according to claim 8,
wherein said operation section generates a download
instruction in response to an operation by a user of
said mobile phone, and said transmitting section
transmits said download instruction to said external
unit, and

10 said mobile phone further comprises:
 a receiving section which receives said
 directory data from said external unit in response to
 said download instruction.

12. A directory managing system comprises:
a directory server which stores a replica of

directory data; and

a mobile phone which comprises:

5 a storage unit which stores said
directory data of records, each of which contains at
least one of a name, phone number and e-mail address
of said counter communication end;

an operation section which generates
10 an upload instruction in response to an operation by a
user of said mobile phone; and

a transmitting section which transmits
said directory data to said directory server in
response to said upload instruction such that said
15 directory data is stored as a part of said directory
data replica in said directory server.

13. The directory managing system according to
claim 12, wherein a group of ones of the records has
an edit flag,

said mobile phone further comprises:

5 an editing section which edits the group of
records of said directory data in response to an
operation by the user, and sets said edit flag, and

said transmitting section transmits the
records of the groups with the set edit flags of said
10 directory data to said directory server in response to
said upload instruction such that said directory data
of records with the set edit flags is stored as the

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part of said directory data replica in said directory server.

14. The directory managing system according to claim 13, wherein the number of records in each group is one.

15. The directory managing system according to claim 12, wherein said operation section generates a download instruction in response to an operation by a user of said mobile phone, and said transmitting section transmits said download instruction to said directory server, and

said mobile phone further comprises:

a receiving section which receives as said directory data, a part of said directory data replica of records which are read out from said storage unit of said directory server in response to said download instruction, wherein each of the records contains at least one of a name, phone number and e-mail address of said counter communication end.

16. A communication control method comprising the steps of:

(a) generating a connection confirmation request in response to a communication request;

(b) referring to a directory data replica to

(c) transmitting a response indicative permission or non-permission of the connection of said communication request to said mobile phone based on whether or not the connection of said communication request from said counter communication end to said mobile phone is permitted.

generating an upload instruction in response to an operation by a user of said mobile phone; and transmitting said directory data as a part of said directory data replica in response to said upload instruction.

18. The communication control method according to claim 17, wherein a group of ones of the records has an edit flag,

editing the group of records of said
directory data in response to an operation by the
user;

4 19. The communication control method according to claim 18, wherein the number of records in each group is one.

generating a download instruction in response to an operation by a user of said mobile phone; and

5 holding a part of said directory data replica of records as said directory data.

21. The communication control method according to claim 16, wherein said communication request is a phone call, and each of the records includes said phone number of said counter communication end and further includes a non-permission flag set when said

said (a) generating step comprises the step

generating said connection confirmation

said (b) referring step comprises the steps

15 referring to said directory data replica to
determine whether said non-permission flag
corresponding to said phone number of said counter
communication end is set or reset,

20 steps of:

connecting said phone call to said mobile
response to said permission response;

discarding said phone call to said mobile
phone in response to said non-permission response.

22. The communication control method according to claim 16, wherein said communication request is an e-

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request in response to said e-mail,

of :

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in response to said permission response;

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in response to said non-permission response.